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1 [High Performance Network of PC Cluster Maestro](#)

Koichi Wada, Shinichi Yamagiwa, Munehiro Fukuda

 January 2002 **Cluster Computing**, Volume 5 Issue 1

Publisher: Kluwer Academic Publishers

 Full text available: [Publisher Site](#)

 Additional Information: [full citation](#), [abstract](#), [re](#)
Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation

This paper presents a design, an architecture, and performance evaluation of a network of PC cluster, called i> Maestro. Most networks of recent clusters are based on WAN or LAN technology, due to their market availability. ...

Keywords: PC cluster, message passing, network architecture, performance

2 [The Internet and the Millennium Problem \(Year 2000\)](#)

P. Nesser, II

June 1999 The Internet and the Millennium Problem (Year 2000)

Publisher: RFC Editor

 Full text available: [Txt](#) (547.56 KB)

 Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 24, Citation

The Year 2000 Working Group (WG) has conducted an investigation into the problems that may arise in regards Internet related protocols. This investigation only targeted the problems associated with the Request For Comments Series (RFCs). This investigation ...

3 [Requirements for IP Version 4 Routers](#)

F. Baker

June 1995 Requirements for IP Version 4 Routers

Publisher: RFC Editor

 Full text available: [Txt](#) (415.74 KB)

 Additional Information: [full citation](#), [cited by](#)
Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 12, Citation

4 [Towards Requirements for IP Routers](#)

P. Almquist, F. Kastenholz

November 1994 Towards Requirements for IP Routers

Publisher: RFC Editor

 Full text available: [Txt](#) (432.33 KB)


 Additional Information: [full citation](#), [cited by](#)
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Publisher: ACM



Full text available:  [Digital Edition](#) ,  Pdf (7.16 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 575, Downloads (12 Months): 2432, Cita

6 [Communications of the ACM: Volume 51 Issue 7](#)

 July 2008 [Communications of the ACM](#)

Publisher: ACM

Full text available:  [Digital Edition](#) ,  Pdf (6.54 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 4932, Downloads (12 Months): 9532, Cit

7 [Cooperative communications](#)

Gerhard Kramer, Ivana Marić, Roy D. Yates

August 2006 **Foundations and Trends® in Networking** , Volume 1 Issue 3

Publisher: Now Publishers Inc.

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citatio

This article reviews progress in cooperative communication networks. O exhaustive. Instead, we assemble a representative sample of recent res for the area. Our emphasis is on wireless networks, but many ...

8 [The state of the art in locally distributed Web-server systems](#)

 Valeria Cardellini, Emiliano Casalicchio, Michele Colajanni, Philip S. Yu

June 2002 **Computing Surveys (CSUR)** , Volume 34 Issue 2

Publisher: ACM


Full text available:  Pdf (1.41 MB) Additional Information: [full citation](#), [abstract](#), re

Bibliometrics: Downloads (6 Weeks): 85, Downloads (12 Months): 674, Citatio

The overall increase in traffic on the World Wide Web is augmenting use from popular Web sites, especially in conjunction with special events. S' replicate information content cannot provide the needed ...

Keywords: Client/server, World Wide Web, cluster-based architectures distributed systems, load balancing, routing mechanisms

9 [Real-time shading](#)

 Marc Olano, Kurt Akeley, John C. Hart, Wolfgang Heidrich, Michael McCool,

August 2004 **SIGGRAPH '04: SIGGRAPH 2004 Course Notes**

Publisher: ACM

Full text available:  Pdf (7.39 MB) Additional Information: [full citation](#), [abstract](#), ci

Bibliometrics: Downloads (6 Weeks): 85, Downloads (12 Months): 714, Citatio

Real-time procedural shading was once seen as a distant dream. When was offered four years ago, real-time shading was possible, but only wit by combining the effects of tens to hundreds of rendering ...

Joseph Polastre, Jonathan Hui, Phillip Levis, Jerry Zhao, David Culler, Scott
November 2005 **SenSys '05**: Proceedings of the 3rd international conference
sensor systems

Publisher: ACM

Full text available:  Pdf (456.45 KB)

Additional Information: [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 37, Downloads (12 Months): 290, Citatio

Recent technological advances and the continuing quest for greater efficiency have led to an explosion of link and network protocols for wireless sensor networks. This paper compares different assumptions about network stack composition and, ...


Keywords: link protocols, network abstractions, network protocols, protocol synthesis, sensor networks

11

D. Sprague, R. Benedyk, D. Brendes, J. Keller

April 2001 Tekelec's Transport Adapter Layer Interface

Publisher: RFC Editor

Full text available:  [Txt](#) (265.10 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 0, Citation C

This document proposes the interfaces of a Signaling Gateway, which provides the interface between the Switched Circuit Network (SCN) and an IP network. Since the Gateway provides signaling information, not only does it provide transportation ...

12

J. J. Garcia-Luna-Aceves, Marcelo Spohn

June 2001 **Mobile Networks and Applications**, Volume 6 Issue 3

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (315.33 KB)

Additional Information: [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 51, Citation (

The efficiency with which the routing protocol of a multihop packet-radio network conserves energy is critical to the ability of the network nodes to conserve energy. This paper presents a source-tree adaptive routing (STAR) protocol, ...

Keywords: link-state routing protocol, mobile wireless networks, source

13

Paolo Baronti, Prashant Pillai, Vince W. C. Chook, Stefano Chessa, Alberto

May 2007 **Computer Communications**, Volume 30 Issue 7

Publisher: Butterworth-Heinemann

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citatio

Wireless sensor networks are an emerging technology for low-cost, una range of environments. Their importance has been enforced by the rece

802.15.4 standard for the physical and MAC layers and the forthcoming

Keywords: IEEE 802.15.4, Wireless sensor networks, ZigBee

14 [Scalable application layer multicast](#)

 [Suman Banerjee, Bobby Bhattacharjee, Christopher Kommareddy](#)

August 2002 **SIGCOMM '02**: Proceedings of the 2002 conference on Application architectures, and protocols for computer communications

Publisher: ACM

Full text available:  Pdf (561.69 KB) Additional Information: [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 330, Citation


We describe a new scalable application-layer multicast protocol, specific bandwidth, data streaming applications with large receiver sets. Our scheme hierarchical clustering of the application-layer multicast peers ...

Keywords: application layer multicast, hierarchy, overlay networks, pe

Also published in:

October 2002 **SIGCOMM Computer Communication Review** Volume 32 Issue

15 [Distributed dynamic scheduling for end-to-end rate guarantees in wireless](#)

 [Theodoros Salonidis, Leandros Tassiulas](#)

May 2005 **MobiHoc '05**: Proceedings of the 6th ACM international symposium on networking and computing

Publisher: ACM

Full text available:  Pdf (218.23 KB) Additional Information: [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 178, Citation

We present a framework for the provision of deterministic end-to-end bandwidth in wireless ad hoc networks. Guided by a set of local feasibility conditions, dynamically offered allocations, further translated to link ...

Keywords: ad hoc networks, distributed, rate control, scheduling

16 [Optimizing the end-to-end performance of reliable flows over wireless](#)

[Reiner Ludwig, Almudena Konrad, Anthony D. Joseph, Randy H. Katz](#)

March 2002 **Wireless Networks**, Volume 8 Issue 2/3

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (230.41 KB) Additional Information: [full citation](#), [abstract](#), [re](#)


Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 58, Citation

Pure end-to-end error recovery fails as a general solution to optimize throughput in multi-hop parts of the end-to-end path. It can lead to decreased end-to-end throughput in best-effort networks, and a waste of valuable radio ...

Keywords: TCP, flow differentiation, link ARQ persistency, wireless

A mutual exclusion algorithm for ad hoc mobile networks

Jennifer E. Walter, Jennifer L. Welch, Nitin H. Vaidya

November 2001 **Wireless Networks**, Volume 7 Issue 6**Publisher:** Kluwer Academic PublishersFull text available:  Pdf (333.95 KB) Additional Information: [full citation](#), [abstract](#), [re](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 71, Citation (

A fault-tolerant distributed mutual exclusion algorithm that adjusts to n along with proof of correctness and simulation results. The algorithm re with only their current neighbors, making it well-suited ...

Keywords: ad hoc network, distributed algorithm, mobile computing, r**18** Adaptive network QoS in layer-3/layer-2 networks as a middleware s applications

Balakrishnan Dasarathy, Shrirang Gadgil, Ravi Vaidyanathan, Arnie Neidha Parmeswaran, Allen McIntosh, Frederick Porter

July 2007 **Journal of Systems and Software**, Volume 80 Issue 7**Publisher:** Elsevier Science Inc.Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citatio

We present adaptive network Quality of Service (QoS) technology that p capacity guarantees for traffic belonging to mission-critical tasks. Our te Broker to provide admission control and leverages the ...


Keywords: Admission control, Bandwidth brokering, Layer-3/layer-2 n middleware**19** IPv6 over Non-Broadcast Multiple Access (NBMA) networks

G. Armitage, P. Schulter, M. Jork, G. Harter

January 1999 IPv6 over Non-Broadcast Multiple Access (NBMA) networks

Publisher: RFC EditorFull text available:  Txt (100.78 KB) Additional Information: [full citation](#), [abstract](#), [ci](#)**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 3, Citation C

This document describes a general architecture for IPv6 over NBMA net subsidiary companion documents that describe details for various specif as ATM or Frame Relay). The IPv6 over NBMA architecture ...

20 A simple mechanism for capturing and replaying wireless channels Glenn Judd, Peter SteenkisteAugust 2005 **E-WIND '05: Proceedings of the 2005 ACM SIGCOMM worksh approaches to wireless network design and analysis****Publisher:** ACMFull text available:  Pdf (6.06 MB) Additional Information: [full citation](#), [abstract](#), [re](#)**Bibliometrics:** Downloads (6 Weeks): 76, Downloads (12 Months): 496, Citatio

Physical layer wireless network emulation has the potential to be a pow





important challenge in physical emulation, and traditional simulation, is wireless channel. In this paper we examine the possibility ...

Keywords: channel capture, emulation, wireless

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